



July 22, 2014

Ms. Alison Thompson
Department of Environmental Quality
Northern Regional Office
13901 Crown Court
Woodbridge, VA 22193

Re: Permit renewal application VA0092452

Camp Red Arrow WWTP

Dear Ms. Thompson;

Enclosed please find the VPDES permit application for the above referenced permittee. Should you have questions, or require additional information, please contact me.

Sincerely.

Cody Hoehna, Operations Manager Environmental Services Division

Cc: James Burnett

PUBLIC NOTICE BILLING INFORMATION

I hereby authorize the Virginia Department of Environmental Quality to have the cost of publishing a public notice billed to the Agent/Department shown below. The public notice will be published once a week for two consecutive weeks in accordance with 9VAC25-31-290.C.2.

Agent/Department to be billed:		
Owner:	Children's Bible Ministries of Virginia,	Inc.
Applicant's Address:	22338 Arrowhead Trail	
	Stevensburg, VA 22741	
Agent's Telephone Number:	540-219-1742	
Authorizing Agent:	Signature	

VPDES Permit No. VA0092452 Camp Red Arrow WWTP

Please return to:

Alison Thompson VA-DEQ, NRO 13901 Crown Court Woodbridge, VA 22193-1453

Fax: (703)583-3821

VPDES PERMIT APPLICATION ADDENDUM (FOR VPDES PERMIT NO. VA0092452)

1.	Entity to whom the permit is to be issued: <u>Children</u> Who will be legally responsible for the wastewater treatm may not be the facility or property owner.	's Bible Ment facilities a	<u>finistrie</u> ind complia	s of Virg	<u>ginia, Ir</u> permit? T	nc. his may or
2.	Is this facility located within city or town boundaries?	Yes (No			
3.	Please provide the tax map parcel number for the land	l where the di	ischarge is	located:		
4.	What is the design average flow of this facility in million	on gallons per	r day (MGl	D)?0.00	055 MGD	<u>!</u>
5.	In addition to the design flow, should the permit be we Yes (No) If yes, please identify the other flow tiers in MGD: Please consider such issues as if you plan to expand operation flow is considerably greater than your current flow?		_			
6.	Nature of operations generating wastewater: Camp					
7.		ources Intermittent		Seasonal		
	Discharges during summer months when cam	p- is open -	_			
8.	Identify the characteristics of the receiving stream at t	he point <u>just :</u>	above the f	acility's dis	charge poi	nt(s):
	Stream Characteristic		Out	fall Numbe	r	
	Never dry, permanent stream	001				
	Usually flowing, sometimes dry, intermittent stream					
	Wet-weather flow, often dry, ephemeral stream		,			
	Usually or always dry, effluent-dependent stream	X				
	Lake or pond at or below discharge point	-				
	Other:				-	
9. 	Approval date(s), if applicable: O & M Manual Unknown Sludge/Solids			known		-
	Have there been changes in your operation or procedures	since the above	e approval o	dates? Yes	(No)	

N/A		
	Material Storage	
Materials Description	Volume Stored	Spill/Stormwater Prevention Measure
Please provide the name and email add VPDES permit:	resses for personnel who will be	involved with the reissuance of the E-mail Address
James Burnett	Director	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Cody Hoehna	Operations Manager	redarrow.email@gmail.com codyh@ess-services.com
The Department of Environmental Quality ssuances, reissuances, modifications, revo	(DEQ) may deliver permits and ce	rtifications (this includes permit
applicants or permittees, by electronically mail electronically (§ 10.1-1183). Check a from DEQ as follows:	certified mail where the recipients r	notify DEO of their consent to receive
Applicant or permittee agrees to rec	eive by electronic mail the permi	t that may be issued for the ectronic mail when requested
proposed pollutant management activity by the DEQ.		
proposed pollutant management activity by the DEQ.		
proposed pollutant management activi		-

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VPDES SEWAGE SLUDGE PERMIT APPLICATION FORM

SCREENING INFORMATION

This application is divided into sections. Sections A pertain to all applicants. The applicability of Sections B, C and D depend on your facility's sewage sludge use or disposal practices. The information provided on this page will help you determine which sections to fill out.

- determine which sections to fill out.

 1. All applicants must complete Section A (General Information).
- 2. Will this facility generate sewage sludge? X Yes No

Will this facility derive a material from sewage sludge? __Yes _X No

If you answered Yes to either, complete Section B (Generation Of Sewage Sludge Or Preparation Of A Material Derived From Sewage Sludge).

3. Will this facility apply sewage sludge to the land? $\underline{\underline{}}$ Yes $\underline{\underline{X}}$ No

Will sewage sludge from this facility be applied to the land? Yes \underline{X} No

If you answered No to both questions above, skip Section C.

If you answered Yes to either, answer the following three questions:

- Will the sewage sludge from this facility meet the ceiling concentrations, pollutant concentrations, Class A pathogen reduction requirements and one of the vector attraction reduction requirements 1-8, as identified in the instructions?
 Yes No
- b. Will sewage sludge from this facility be placed in a bag or other container for sale or give-away for application to the land? _Yes _No
- c. Will sewage sludge from this facility be sent to another facility for treatment or blending? _Yes _No

If you answered No to all three, complete Section C (Land Application Of Bulk Sewage Sludge).

If you answered Yes to a, b or c, skip Section C.

4. Do you own or operate a surface disposal site? Yes X No

If Yes, complete Section D (Surface Disposal).



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SECTION A. GENERAL INFORMATION

All applicants must complete this section.

1.	Facil	ity Information.
	a.	Facility name: Camp Red Arrow WWTP
	b.	Contact person: James Burnett
		Title: Director
		Phone: (540) 219-1742
	c.	Mailing address:
		Street or P.O. Box: 22338 Arrowhead Trail
		City or Town: Stevensburg State: VA Zip: 22741
	d.	Facility location:
		Street or Route #: 22338 Arrowhead Trail
		County: Culpeper
		City or Town: Stevensburg State: VA Zip: 22741
	e.	Is this facility a Class I sludge management facility?Yes X No
	f.	
		Facility design flow rate: 0.005 mgd Total population served:
	g. h.	
	11.	Indicate the type of facility:
		Publicly owned treatment works (POTW)
		X Privately owned treatment works
		Federally owned treatment works
		Blending or treatment operation
		Surface disposal site
		Other (describe):
2	A 1	Table 1. Company of the state o
2.		cant Information. If the applicant is different from the above, provide the following:
	a.	Applicant name: Environmental Systems Service, Ltd
	b.	Mailing address:
		Street or P.O. Box: P.O. Box 520
		City or Town: <u>Culpeper</u> State: <u>VA</u> Zip: 22701
	c.	Contact person: Donald Hearl
		Title: Vice President
		Phone: (540) 825-6660
	d.	Is the applicant the owner or operator (or both) of this facility?
		owneroperator
	e.	Should correspondence regarding this permit be directed to the facility or the applicant? (Check one)
		facilityX applicant
3.	Permi	t Information.
	a.	Facility's VPDES permit number (if applicable):
	b.	List on this form or an attachment, all other federal, state or local permits or construction approvals received or
		applied for that regulate this facility's sewage sludge management practices:
		Permit Number: Type of Permit:
		<u>N/A</u>
4.	Indiar	Country. Does any generation, treatment, storage, application to land or disposal of sewage sludge from this
	facilit	y occur in Indian Country? Yes X No If yes, describe:

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- 5. Topographic Map. Provide a topographic map or maps (or other appropriate maps if a topographic map is unavailable) that shows the following information. Maps should include the area one mile beyond all property boundaries of the facility: SEE ATTACHMENT 1
 - Location of all sewage sludge management facilities, including locations where sewage sludge is generated, stored, treated, or disposed.
 - b. Location of all wells, springs, and other surface water bodies listed in public records or otherwise known to the applicant within 1/4 mile of the property boundaries.
- 6. Line Drawing. Provide a line drawing and/or a narrative description that identifies all sewage sludge processes that will be employed during the term of the permit including all processes used for collecting, dewatering, storing, or treating sewage sludge, the destination(s) of all liquids and solids leaving each unit, and all methods used for pathogen reduction and vector attraction reduction. SEE ATTACHMENT 2

7.	Contractor Information. Are any operational or maintenance aspects of this facility related to sewage sludge generation, treatment, use or disposal the responsibility of a contractor?YesX No
	If yes, provide the following for each contractor (attach additional pages if necessary).
	Name:
	Mailing address:
	Street or P.O. Box:
	City or Town: State: Zip:
	Phone: ()
	Contractor's Federal, State or Local Permit Number(s) applicable to this facility's sewage sludge:
	If the contractor is responsible for the use and/or disposal of the sewage sludge, provide a description of the service to be provided to the applicant and the respective obligations of the applicant and the contractor(s)

8. Pollutant Concentrations. Using the table below or a separate attachment, provide sewage sludge monitoring data for the pollutants which limits in sewage sludge have been established in 9 VAC 25-31-10 et seq. for this facility's expected use or disposal practices. All data must be based on three or more samples taken at least one month apart and must be no more than four and one-half years old. N/A

POLLUTANT	CONCENTRATION (mg/kg dry weight)	SAMPLE DATE	ANALYTICAL METHOD	DETECTION LEVEL FOR ANALYSIS
Arsenic				
Cadmium				
Chromium				-
Copper				
Lead				
Mercury				
Molybdenum				
Nickel		-		
Selenium				
Zinc				

9.	Certification. Read and submit the following certification statement with this application. Refer to the instructions to determine who is an officer for purposes of this certification. Indicate which parts of the application you have completed and are submitting:
	 Section A (General Information) Section B (Generation of Sewage Sludge or Preparation of a Material Derived from Sewage Sludge) Section C (Land Application of Bulk Sewage Sludge) Section D (Surface Disposal)

DES PERMIT NUMBER: VA0092452

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name and official title James Burnet, Director

Date Signed 7-22-14

Upon request of the department, you must submit any other information necessary to assess sewage sludge use or disposal practices at your facility or identify appropriate permitting requirements.

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SECTION B. GENERATION OF SEWAGE SLUDGE OR PREPARATION OF A MATERIAL DERIVED FROM SEWAGE SLUDGE

Complete this section if your facility generates sewage sludge or derives a material from sewage sludge

1.		unt Generated On Site. dry metric tons per 365-day period generated at your facility: dry metric tons
2.	dispo	unt Received from Off Site. If your facility receives sewage sludge from another facility for treatment, use or ssal, provide the following information for each facility from which sewage sludge is received. If you receive ge sludge from more than one facility, attach additional pages as necessary. N/A Facility name: Contact Person: Title: Phone ()
	c.	Mailing address:
		Street or P.O. Box: City or Town: State: Zip:
	d.	City or Town: State: Zip: Facility Address: (not P.O. Box)
	e.	Total dry metric tons per 365-day period received from this facility: dry metric tons
	f.	Describe, on this form or on another sheet of paper, any treatment processes known to occur at the off-site facility, including blending activities and treatment to reduce pathogens or vector attraction characteristics:
3.		ment Provided at Your Facility.
	a.	Which class of pathogen reduction is achieved for the sewage sludge at your facility? Class A Class B X Neither or unknown
	b.	Describe, on this form or another sheet of paper, any treatment processes used at your facility to reduce pathogens in sewage sludge:
	c. d.	Which vector attraction reduction option is met for the sewage sludge at your facility? Option 1 (Minimum 38 percent reduction in volatile solids) Option 2 (Anaerobic process, with bench-scale demonstration) Option 3 (Aerobic process, with bench-scale demonstration) Option 4 (Specific oxygen uptake rate for aerobically digested sludge) Option 5 (Aerobic processes plus raised temperature) Option 6 (Raise pH to 12 and retain at 11.5) Option 7 (75 percent solids with no unstabilized solids) Option 8 (90 percent solids with unstabilized solids) X None or unknown Describe, on this form or another sheet of paper, any treatment processes used at your facility to reduce vector attraction properties of sewage sludge: Aerobic Digestion
	e.	Describe, on this form or another sheet of paper, any other sewage sludge treatment activities, including blending, not identified in a - d above: N/A
4.	of Ve	ration of Sewage Sludge Meeting Ceiling and Pollutant Concentrations, Class A Pathogen Requirements and One ector Attraction Reduction Options 1-8 (EQ Sludge). N/A
	(If sev a.	wage sludge from your facility does not meet all of these criteria, skip Question 4.) Total dry metric tons per 365-day period of sewage sludge subject to this section that is applied to the land:
	a.	dry metric tons dry metric tons
	b.	Is sewage sludge subject to this section placed in bags or other containers for sale or give-away? _Yes _No
5.	Sale o	or Give-Away in a Bag or Other Container for Application to the Land.
	(Comj	plete this question if you place sewage sludge in a bag or other container for sale or give-away prior to land
	applic a.	ration. Skip this question if sewage sludge is covered in Question 4.) N/A Total dry metric tons per 365-day period of sewage sludge placed in a bag or other container at your facility
	u.	- our any mount complet 303-day period of sewage studge placed in a day of other container at your facility

FACI	LITY NA	ME <u>: Camp Red Artow W</u> WTP	VPDES PERMIT NUMBER: VA0092452
		for sale or give-away for application to the land:	
	b.	Attach, with this application, a copy of all labels or n	otices that accompany the sewage sludge being sold or
		given away in a bag or other container for application	to the land. N/A
6.	Shipn	nent Off Site for Treatment or Blending.	
	(Com	plete this question if sewage sludge from your facility is so	ent to another facility that provides treatment or blending.
		question does not apply to sewage sludge sent directly to a	
		ion if the sewage sludge is covered in Questions 4 or 5. If	you send sewage sludge to more than one facility, attach
		onal sheets as necessary.)	· · · · · · · · · · · · · · · · · · ·
	a.	Receiving facility name: Fauquier County WSA - Ret	nington wwiP
	ь.	Facility contact: Ms. Cheryl St. Amant	
		Title: Associate General Manager of Operations	
		Phone: (540) 439-2092	
	c.	Mailing address: Street or P.O. Box: P.O. Box 861646	
			A 7: 20197
		City or Town: Warrenton State: V	A Zip: 20187
	d.		udge provided to receiving facility: dry metric
		tons	LYDDEC 5 1 II d 1 6 H
	e.		ty's VPDES permit number as well as the numbers of all
		other federal, state or local permits that regulate the r	eceiving facility's sewage sludge use or disposal
		practices:	n - 5
		Permit Number: Type of	
		<u>VA0076805</u> VPDES	
	f.	December and the facility was the date of the	
	I.	Does the receiving facility provide additional treatme	ent to reduce pathogens in sewage studge from your
		facility? X Yes No	
		Which class of pathogen reduction is achieved for the	
		Class AX Class B	Neither or unknown
		Describe, on this form or another sheet of paper, any	treatment processes used at the receiving facility to
		reduce pathogens in sewage sludge:	
	g.	Does the receiving facility provide additional treatme	ent to reduce vector attraction characteristics of the
	ъ.	sewage sludge? X Yes No	
		Which vector attraction reduction option is met for the	e sewage sludge at the receiving facility?
		X Option 1 (Minimum 38 percent reduction in volati	
		Option 2 (Anaerobic process, with bench-scale de	
		Option 3 (Aerobic process, with bench-scale dem	
		Option 4 (Specific oxygen uptake rate for aerobica	
		Option 5 (Aerobic processes plus raised temperat	
		Option 6 (Raise pH to 12 and retain at 11.5)	,
		Option 7 (75 percent solids with no unstabilized so	olids)
		Option 8 (90 percent solids with unstabilized solid	
		None unknown	,
		Describe, on this form or another sheet of paper, any	treatment processes used at the receiving facility to
		reduce vector attraction properties of sewage sludge.	
	h.	Does the receiving facility provide any additional trea	atment or blending not identified in f or g above?
		Yes _X No	
		If yes, describe, on this form or another sheet of pape	r, the treatment processes not identified in f or g above:
	i.	If you answered yes to f., g or h above, attach a copy	of any information you provide to the receiving facility
		to comply with the "notice and necessary information	requirement of 9 VAC 25-31-530.G. SEE ATTACHMENT 3
		Donatha massining 6: 104 1	
	j		your facility in a bag or other container for sale or give-
		away for application to the land?Yes _X No	
	1.	If yes, provide a copy of all labels or notices that acc	
	k.		g facility in a truck-mounted watertight tank normally
			rovide description and specification on the vehicle used to
		transport the sewage sludge to the receiving facility.	
		anow the nami route(s) on a location map or briefly de	escribe the haul route below and indicate the days of the

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week and the times of the day sewage sludge will be transported. SEE ATTACHMENT 4

7.	(Com	Application of Bulk Sewage Sludge. N/A plete Question 7.a if sewage sludge is covered in ions 4, 5 or 6; complete Question 7.b, c & d only if you are responsible for land application of sewage sludge.)
	a.	Total dry metric tons per 365-day period of sewage sludge applied to all land application sites:dry metric tons
	b.	Do you identify all land application sites in Section C of this application?YesNo If no, submit a copy of the Land Application Plan (LAP) with this application (LAP should be prepared in accordance with the instructions).
	c.	Are any land application sites located in States other than Virginia?YesNo If yes, describe, on this form or on another sheet of paper, how you notify the permitting authority for the States where the land application sites are located. Provide a copy of the notification.
	d.	Attach a copy of any information you provide to the owner or lease holder of the land application sites to comply with the "notice and necessary" information requirement of 9 VAC 25-31-530 F and/or H (Examples may be obtained in Appendix IV).
8.		ce Disposal. N/A
	(Com a.	Plete Question 8 if sewage sludge from your facility is placed on a surface disposal site.) Total dry metric tons per 365-day period of sewage sludge from your facility placed on all surface disposal
	b.	sites: dry metric tons Do you own or operate all surface disposal sites to which you send sewage sludge for disposal? _YesNo
		If no, answer questions c - g for each surface disposal site that you do not own or operate. If you send sewage sludge to more than one surface disposal site, attach additional pages as necessary.
	C.	Site name or number:
	d.	Contact person: Title: Phone: ()
	e.	Contact is:Site OwnerSite operator Mailing address. Street or P.O. Box:
	c	City or Town: State: Zip:
	f.	Total dry metric tons per 365-day period of sewage sludge from your facility placed on this surface disposal site: dry metric tons
	g.	List, on this form or an attachment, the surface disposal site VPDES permit number as well as the numbers of all other federal, state or local permits that regulate the sewage sludge use or disposal practices at the surface disposal site:
		Permit Number: Type of Permit:
9.		eration. N/A
		olete Question 9 if sewage sludge from your facility is fired in a sewage sludge incinerator.)
	a.	Total dry metric tons per 365-day period of sewage sludge from your facility fired in a sewage sludge incinerator: dry metric tons
	ъ.	Do you own or operate all sewage sludge incinerators in which sewage sludge from your facility is fired? YesNo
		If no, answer questions c - g for each sewage sludge incinerator that you do not own or operate. If you send sewage sludge to more than one sewage sludge incinerator, attach additional pages as necessary.
	c.	Incinerator name or number:
	d.	Contact person: Title: Phone: ()
		Contact is:Incinerator OwnerIncinerator Operator
	e.	Mailing address. Street or P.O. Box:

ACL	LITY NA	ME: <u>Camp Red Arrow W</u> WTP VPDES PERMIT NUMBER: <u>VA0092452</u>
		City or Town: State: Zip:
	f.	Total dry metric tons per 365-day period of sewage sludge from your facility fired in this sewage sludge
		incinerator: dry metric tons
	g.	List on this form or an attachment the numbers of all other federal, state or local permits that regulate the firin
		of sewage sludge at this incinerator:
		Permit Number: Type of Permit:
0.	Disno	osal in a Municipal Solid Waste Landfill. N/A
		plete Question 10 if sewage sludge from your facility is placed on a municipal solid waste landfill. Provide the
		ving information for each municipal solid waste landfill on which sewage sludge from your facility is placed. If
		ge sludge is placed on more than one municipal solid waste landfill, attach additional pages as necessary.)
	a.	Landfill name:
	b.	Contact person:
		Title:
		Phone: ()
		Contact is:Landfill OwnerLandfill Operator
	c.	Mailing address.
		Street or P.O. Box:
		City or Town:State:Zip:
	d.	Landfill location.
		Street or Route #:
		County: -
		City or Town: State: Zip:
	e.	Total dry metric tons per 365-day period of sewage sludge placed in this municipal solid waste landfill:
		dry metric tons
	f.	List, on this form or an attachment, the numbers of all federal, state or local permits that regulate the operation
		of this municipal solid waste landfill:
		Permit Number: Type of Permit:
	$\mathbf{g}.$	Does sewage sludge meet applicable requirements in the Virginia Solid Waste Management Regulation, 9
		VAC 20-80-10 et seq., concerning the quality of materials disposed in a municipal solid waste landfill?
	L.	YesNo
	h.	Does the municipal solid waste landfill comply with all applicable criteria set forth in the Virginia Solid Waste
	:	Management Regulation, 9 VAC 20-80-10 et seq.?YesNo
	i.	Will the vehicle bed or other container used to transport sewage sludge to the municipal solid waste landfill
		be watertight and covered? Yes No
		Show the haul route(s) on a location map or briefly describe the route below and indicate the days of the week
		and time of the day sewage sludge will be transported.

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SECTION C. LAND APPLICATION OF BULK SEWAGE SLUDGE

Complete this section for sewage sludge that is land applied unless any of the following conditions apply:

The sewage sludge meets the Table 1 ceiling concentrations, the Table 3 pollutant concentrations, Class A pathogen requirements and one of the vector attraction reduction options 1-8 (fill out B.4 instead) (EQ Sludge); or The sewage sludge is sold or given away in a log or other container for application to the load (fill out B.5 instead).

The sewage sludge is sold or given away in a bag or other container for application to the land (fill out B.5 instead); or You provide the sewage sludge to another facility for treatment or blending (fill out B.6 instead).

Complete Section C for every site on which the sewage sludge that you reported in B.7 is land applied. N/A

1.	Ident	ification of Land Application Site.
	a.	Site name or number:
	b.	Site location (Complete i and ii)
		i. Street or Route#:
		County:
		City or Town: State: Zip:
		ii. Latitude:Longitude:
		Method of latitude/longitude determination
		USGS map Filed survey Other
	C.	Topographic map. Provide a topographic map (or other appropriate map if a topographic map is unavailable)
		that shows the site location.
^		
2.		er Information.
	a.	Are you the owner of this land application site?YesNo
	b.	If no, provide the following information about the owner:
		Name:
		Street or P.O. Box:
		City or Town: State: Zip:
		Phone: ()
3.	Annli	er Information:
<i>J</i> .	a.	
	a.	Are you the person who applies, or who is responsible for application of, sewage sludge to this land application site?YesNo
	b.	If no, provide the following information for the person who applies the sewage sludge:
	U.	Name:
		Street or P.O. Box:
		City or Town: State: Zip:
		Phone: ()
	c.	List, on this form or an attachment, the numbers of all federal, state or local permits that regulate the person
	C.	who applies sewage sludge to this land application site:
		Permit Number: Type of Permit:
		Type of Terring.
4.	Site T	ype. Identify the type of land application site from among the following:
	Ag	ricultural landReclamation siteForest
	Pul	blic contact siteOther. Describe
		-
5.	Vecto	F Attraction Reduction.
	Are as	ny vector attraction reduction requirements met when sewage sludge is applied to the land application site?
	Y	esNo If yes, answer a and b.
	a.	Indicate which vector attraction reduction option is met:
		Option 9 (Injection below land surface)
		Option 10 (Incorporation into soil within 6 hours)
	b.	Describe, on this form or on another sheet of paper, any treatment processes used at the land application site
		to reduce the vector attraction properties of sewage sludge:
	~	
5.	Cumu	lative Loadings and Remaining Allotments.
	(Comp	plete Question 6 only if the sewage sludge applied to this site since July 20, 1993 is subject to the cumulative
	nollufa	ant loading rates (CPLRs) - see instructions)

Have you contacted DEQ or the permitting authority in the state where the sewage sludge subject to the

FACILI	TY NAM	E: <u>Camp Red Arrow W</u> WT	P	VPDES PERMIT NUMBER: VA0092452
		CPLRs will be applied to	ascertain whether bulk sewag	e sludge subject to the CPLRs has been applied to this
		site since July 20, 1993?	YesNo	
			ect to the CPLRs may not be a	applied to this site.
		If yes, provide the follow:	ing information:	
		Permitting authority:		
		Contact person:		•
		Phone:()		
	b.	Based upon this inquiry,	has bulk sewage sludge subject	et to the CPLRs been applied to this site since July 20,
		1993?YesNo If n	o, skip the rest of Question 6.	If yes, answer questions c - e.
	C.	Site size, in hectares:		(one hectare = 2.471 acres)
	d.	Provide the following info	ormation for every facility oth	(one hectare = 2.471 acres) er than yours that is sending or has sent sewage sludge
		subject to the CPLRs to the	his site since July 20, 1993. If	more than one such facility sends sewage sludge to
		this site, attach additiona		, 5
		Facility name:		
		Facility contact:		
		Title:		
		Phone: ()		
		Mailing address.		
		Street or P.O. Box:		
		City or Town:	State: Zi	o:
	e.	Provide the total loading		hectare, for each of the following pollutants:
		0		Allotment remaining
		Arsenic		
		Cadmium		
		Copper		
		Lead		
		Mercury	<u> </u>	
		Nickel		
		Selenium		
		Zinc		
				
Informa	tion requ	ired by these questions may	apply sewage sludge, or you are y be prepared as attachments to d under Section A.7) who is re	eresponsible for land application of sewage sludge. o this form. Skip the following questions if you contract sponsible for the operation.
7.	Sludge (paramet		table below or a separate attac	hment, provide at least one analysis for each
		PCBs (mg/kg)		
		pH (S. U.)		
		Percent Solids (%)		
		Ammonium Nitrogen (mg	/kg)	
		Nitrate Nitrogen (mg/kg)	/ng)	
		Total Kjeldahl Nitrogen (1	na/ka)	
		Total Phosphorus (mg/kg		
		Total Potassium (mg/kg)	,,	
		Alkalinity as CaCO ₃ * (mg/	(kg)	
		(III) cooos	0/	

Lime treated sludge (10% or more lime by dry weight) should be analyzed for percent CaCO₃.

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Storage Requirements.

Existing and proposed sludge storage facilities must provide an estimated annual sludge balance on a monthly basis incorporating such factors as storage capacity, sludge production and land application schedule. Include pertinent calculations justifying storage requirements.

Proposed sludge storage facilities must also provide the following information:

- A sludge storage site layout on a 7.5 minute topographic quadrangle or other appropriate scaled map to show the following topographic features of the surrounding landscape to a distance of 0.25 mile. Clearly mark the property line.
 - 1) Water wells, abandoned or operating
 - 2) Surface waters
 - 3) Springs
 - 4) Public water supply(s)
 - 5) Sinkholes
 - Underground and/or surface mines
 - 7) Mine pool (or other) surface water discharge points
 - 8) Mining spoil piles and mine dumps
 - 9) Quarry(s)
 - 10) Sand and gravel pits
 - 11) Gas and oil wells
 - 12) Diversion ditch(s)
 - 13) Agricultural drainage ditch(s)
 - 14) Occupied dwellings, including industrial and commercial establishments
 - 15) Landfills or dumps
 - 16) Other unlined impoundments
 - 17) Septic tanks and drainfields
 - 18) Injection wells
 - 19) Rock outcrops
- b. A topographic map of sufficient detail to clearly show the following information:
 - 1) Maximum and minimum percent slopes
 - 2) Depressions on the site that may collect water
 - 3) Drainageways that may attribute to rainfall run-on to or runoff from this site
 - 4) Portions of the site (if any) which are located with the 100-year floodplain and how the storage facility will be protected from flooding
- c. Data and specifications for the storage facility lining material.
- d. Plan and cross-sectional views of the storage facility.
- e. Depth from the bottom of the storage facility to the seasonal high water table and separation distance to the permanent water table.
- 9. Land Area Requirements. Provide calculations justifying the land area requirements for land application of sewage sludge taking into consideration average soil productivity group, crop(s) to be grown and most limiting factor(s) of the sewage sludge, specifically Plant Available Nitrogen (PAN), Calcium Carbonate Equivalence (CCE), and metal loadings (CPLR sewage sludge only), where applicable. Relate PAN, CCE, and metal loadings to demonstrate the most limiting factor for land application.
- 10. Landowner Agreement Forms. Provide a properly completed Land Application Agreement Biosolids Form and necessary attachments (attached at end of VPDES Sewage Sludge Permit Application Form) for each landowner if sewage sludge is to be applied onto land not owned by the applicant.
- 11. Ground Water Monitoring.

Are any ground water monitoring data available for this land application site? __Yes __No If yes, submit the ground water monitoring data with this permit application. Also submit a written description of the well locations, approximate depth to ground water, and the ground water monitoring procedures used to obtain these data.

12. Land Application Site Information.

(Complete Items and for sites receiving infrequent application - land application of sewage sludge up to the agronomic rate at a frequency of once in a 3 year period; complete Items and for sites receiving frequent application - land application of sewage sludge in excess of 70% the agronomic rate at a frequency greater than once in a 3 year period)

 Provide a general location map for each county which clearly indicates the location of all the land application sites.

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- b. For each land application site provide a site plan of sufficient detail to clearly show the concerned landscape features and associated buffer zones (See instructions). Provide a legend for each landscape feature and the net acreage for each field taking into account the proposed buffer zones.
- In order to ensure that land application of bulk sewage sludge will not impact federally listed threatened or endangered species or federally designated critical habitat, the applicant must notify the field office of the U. S. Department of the Interior, Fish and Wildlife Service (FWS), by a letter, the proposed land application activities with the identification of the land application sites. The address and phone number of FWS are provided below.

U. S. Fish and Wildlife Service Virginia Field Office 6669 Short Lane Gloucester, VA 23061 TEL: (804)693-6694

Provide a copy of the notification letter with this application form.

d. Provide a soil survey map, preferably photographically based, with the field boundaries clearly marked. (A USDA-SCS soil survey map should be provided, if available.)

Provide a detailed legend for each soil survey map which uses accepted USDA-SCS descriptions of the typifying pedon for each soil series (soil type). Complex associations may be described as a range of characteristics. Soil descriptions shall include as a minimum the following information.

- 1) Soil symbol
- 2) Soil series, textural phase and slope range
- 3) Depth to seasonal high water table
- 4) Depth to bedrock
- 5) Estimated soil productivity group (for the proposed crop rotation)

Item e - h are required for sites receiving frequent application of sewage sludge

- e. In order to verify the information provided in item d, characterize the soil at each land application site.

 Representative soil borings or test pits to a depth of five feet or to bedrock if shallower, are to be coordinated for the typifying pedon of each soil series (soil type). Soil descriptions shall include as a minimum the following information:
 - 1). Soil symbol
 - 2). Soil series, textural phase and slope range
 - 3). Depth to seasonal high water table
 - 4). Depth to bedrock
 - 5). Estimated soil productivity group (for the proposed crop rotation)

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f. Collect and analyze soil samples from each field, weighted to best represent each of the soil borings performed for Item e. Using the table below or a separate attachment, provide at least one analysis per sample for each of the following parameters.

Soil Organic Matter (%)

Soil pH (std. units)

Cation Exchange Capacity (meq/100g)

Total Nitrogen (ppm)

Organic Nitrogen (ppm)

Ammonia Nitrogen (ppm)

Nitrate Nitrogen (ppm)

Available Phosphorus (ppm)

Exchangeable Potassium (mg/100g)

Exchangeable Sodium (mg/100g)

Exchangeable Calcium (mg/100g)

Exchangeable Magnesium (mg/100g)

Arsenic (ppm)

Cadmium (ppm)

Copper (ppm)

Lead (ppm)

Mercury (ppm)

wiciculy (ppin)

Molybdenum (ppm)

Nickel (ppm)

Selenium (ppm)

Zinc (ppm)

Manganese (ppm)

Particle Size Analysis or

USDA Textural Estimate (%)

- g. Relate the crop nutrient needs to anticipated yields, soil productivity rating and the various fertilizer or nutrient sources from sludge and chemical fertilizers. Describe any specialized agronomic management practices which may be required as a result of high soil pH. If the sludge is expected to possess an unusually high CCE or other unusual properties, provide a description of any plant tissue testing, supplemental fertilization or intensive agronomic management practices which may be necessary.
- h. Using a narrative format and referencing any related charts, describe the proposed cropping system. Show how the crop rotation and management will be coordinated with the design of the land application system. Include any supplemental fertilization program, soil testing and the coordination of tillage practices, planting and harvesting schedules and timing of land application.

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SECTION D. SURFACE DISPOSAL

Complete this section only if you own or operate a surface disposal site. Provide the information for each active sewage sludge unit. N/A

1.	Infor	mation on Active Sewage Sludge Units.
	a.	Unit name or number:
	b.	Unit location
		i. Street or Route#:
		County:
		City or Town: State: Zip:
		ii. Latitude: Longitude:
		Method of latitude/longitude determination
		USGS map Filed survey Other
		Osos map rited survey Other
	C.	Topographic map. Provide a topographic map (or other appropriate map if a topographic map is unavailable) that shows the site location.
	d.	Total dry metric tons of sewage sludge placed on the active sewage sludge unit per 365-day period:
	e.	dry metric tons. Total dry metric tons of sewage sludge placed on the active sewage sludge unit over the life of the unit:
	f.	dry metric tons. Does the active sewage sludge unit have a liner with a minimum hydraulic conductivity of
	1.	1 x 10 ⁻⁷ cm/sec?YesNo If yes, describe the liner or attach a description.
	g.	Does the active sewage sludge unit have a leachate collection system?YesNo
		If yes, describe the leachate collection system or attach a description. Also, describe the method used for
		leachate disposal and provide the numbers of any federal, state or local permits for leachate disposal:
	h.	If you answered no to either f or g, answer the following:
	•••	Is the boundary of the active sewage sludge unit less than 150 meters from the property line of the surface
		disposal site?YesNo If yes, provide the actual distance in meters:
	i.	Demoining a margin of action a superposition and the second distance in ineters:
	ı.	Remaining capacity of active sewage sludge unit, in dry metric tons: dry metric tons Anticipated sleaves data for active sewage sludge unit, in dry metric tons: 0.04708.073709
		Anticipated closure date for active sewage sludge unit, if known:(MM/DD/YYYY)
		Provide with this application a copy of any closure plan developed for this active sewage sludge unit.
2.	Sewa	ge Sludge from Other Facilities.
	Is sev	wage sludge sent to this active sewage sludge unit from any facilities other than yours?YesNo
	If ves	, provide the following information for each such facility, attach additional sheets as necessary.
	a.	Facility name:
	b.	Facility contact:
		Title:
		Phone: ()
	c.	Mailing address.
	٠.	Street or P.O. Box:
		City or Town: State: Zip:
	d.	
	u.	List, on this form or an attachment, the facility's VPDES permit number as well as the numbers of all other
		federal, state or local permits that regulate the facility's sewage sludge management practices:
		Permit Number: Type of Permit:
	e.	Which class of pathogen reduction is achieved before sewage sludge leaves the other facility?
		Class AClass BNeither or unknown
	f.	Describe, on this form or on another sheet of paper, any treatment processes used at the other facility to
		reduce pathogens in sewage sludge:
	g.	Which vector attraction reduction option is achieved before sewage sludge leaves the other facility?
		Option 1 (Minimum 38 percent reduction in volatile solids)

FACII	CILLINA	VPDES PERVIT NUMBER: VA009/2452
		Option 2 (Anaerobic process, with bench-scale demonstration)
		Option 3 (Aerobic process, with bench-scale demonstration)
		Option 4 (Specific oxygen uptake rate for aerobically digested sludge)
		Option 5 (Aerobic processes plus raised temperature)
		Option 6 (Raise pH to 12 and retain at 11.5)
		Option 7 (75 percent solids with no unstabilized solids)
		Option 8 (90 percent solids with unstabilized solids)
	_	None or unknown
	h.	Describe, on this form or another sheet of paper, any treatment processes used at the other facility to reduce
		vector attraction properties of sewage sludge:
	i.	Describe, on this form or another sheet of paper, any other sewage sludge treatment activities performed by
	1.	the other facility that are not identified in e - h above:
3.		r Attraction Reduction.
	a.	Which vector attraction reduction option, if any, is met when sewage sludge is placed on this active sewage
		sludge unit?
		Option 9 (Injection below land surface)
		Option 10 (Incorporation into soil within 6 hours)
		Option 11 (Covering active sewage sludge unit daily)
	b.	Describe, on this form or another sheet of paper, any treatment processes used at the active sewage sludge
		unit to reduce vector attraction properties of sewage sludge:
4.	Groun	d Water Monitoring.
	a.	Is ground water monitoring currently conducted at this active sewage sludge unit or are ground water
		monitoring data otherwise available for this active sewage sludge unit?YesNo
		If yes, provide a copy of available ground water monitoring data. Also provide a written description of the
		well locations, the approximate depth to ground water, and the ground water monitoring procedures used to
		obtain these data.
	b.	Has a ground water monitoring program been prepared for this active sewage sludge unit?
		YesNo If yes, submit a copy of the ground water monitoring program with this application.
	C.	Have you obtained a certification from a qualified ground water scientist that the aquifer below the active
		sewage sludge unit has not been contaminated?YesNo
		If yes, submit a copy of the certification with this application.
5.	City C	and Continue
J.		pecific Limits.
	Are yo	ou seeking site-specific pollutant limits for the sewage sludge placed on the active sewage sludge unit?
	Yes	No If yes, submit information to support the request for site-specific pollutant limits with this application.



LAND APPLICATION AGREEMENT - BIOSOLIDS N/A

here as "Landowner", and _ in effect until it is terminated Landowner in the event of a individual parcels identified i	in writing by either party or, value of one or more parcels, t	between between befored to here as the "Permitte with respect to those parcels the until ownership of all parcels chose parcels for which ownership nder this agreement.	ee". This agreement remains nat are retained by the anges. If ownership of
Landowner: The Landowner is the owner agricultural, silvicultural or re Exhibit A.	of record of the real property eclamation sites identified belo	located in ow in Table 1 and identified on	Virginia, which includes the tax map(s) attached as
	Table 1.: Parcels autho	rized to receive biosolids	
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
<u> </u>			
☐ Additional parcels containing Lar	nd Application Sites are identified on	Supplement A (check if applicable)	
		of the properties identified her owners of the properties ident	
38 months of the latest date 1. Notify the purchase than the date of the 2. Notify the Permittee The Landowner has no othe the Permittee immediately if application or any part of thi	e of biosolids application, the L r or transferee of the applicabl property transfer; and e of the sale within two weeks r agreements for land applicati conditions change such that t s agreement becomes invalid	e public access and crop man- following property transfer. on on the fields identified herei he fields are no longer availab or the information herein conta	agement restrictions no later in. The Landowner will notify le to the Permittee for nined becomes incorrect.
above and in Exhibit A. The	 Landowner also grants permining or after land application of 	e to land apply biosolids on the ssion for DEQ staff to conduct biosolids for the purpose of det	inspections on the land
Landowner - Printed Name, Title	Signature	Mailin	g Address
the VPDES Permit Regulation each land application field by The Permittee agrees to notify and specifically prior to any parapplied. □ I reviewed the documents a	and in amounts not to exceed to a person certified in accordance the Landowner or the Landowrarticular application to the Landowners in the Landowners assigning signatory authority to the control of the Landowners in the Landown	osolids on the Landowner's land the rates identified in the nutrient with §10.1-104.2 of the Code of the proposed sowner's land. Notice shall include the person signing for landowner shot check this box if the landowner states.	management plan prepared for f Virginia. schedule for land application le the source of residuals to be
Permittee – Authorized Represe Printed Name	entative Signature	Mailin	g Address

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LAND APPLICATION AGREEMENT - BIOSOLIDS

•ern	nittee: County or City:
.and	downer:
_an	downer Site Management Requirements:
, the he la	Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing and application of biosolids.
estri	re also been expressly advised by the Permittee that the site management requirements and site access ictions identified below must be complied with after biosolids have been applied on my property in order to protect c health, and that I am responsible for the implementation of these practices.
agro ppli	ee to implement the following site management practices at each site under my ownership following the land cation of biosolids at the site:
1.	Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.
2.	 Public Access a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids. b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols; c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.
3.	 Crop Restrictions: a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids. b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil, c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation. d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids; e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
4.	Livestock Access Restrictions: Following biosolids application to pasture or hayland sites: a. Meat producing livestock shall not be grazed for 30 days, b. Lactating dairy animals shall not be grazed for a minimum of 60 days. c. Other animals shall be restricted from grazing for 30 days;
5.	Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6.	Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Landowner's Signature

Date



LAND APPLICATION AGREEMENT - BIOSOLIDS

Landowner Coordination Form

This form is used by the Permittee to identify properties (tax parcels) that are authorized to receive biosolids and each of the legal landowners of those tax parcels. A *Land Application Agreement – Biosolids* form, pages 1 and 2 with original signature must be attached for each legal landowner identified below prior to land application at the identified parcels.

Permittee:	
County or City:	
Please Print	(Signatures not required on this page)
Tax Parcel ID(s)	Landowner(s)

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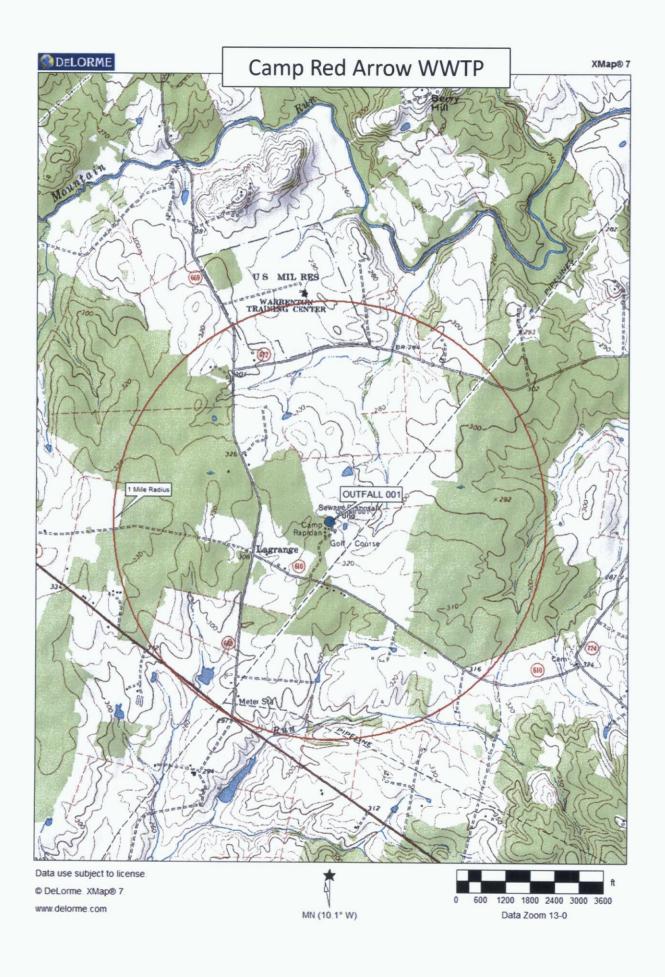
LAND APPLICATION A	GREEMENT - BIOSOLID	S	
Permittee:		City/County:	
Landowner:		, <u></u>	
Supplement A: Additior	nal Land Application Site	es	
	Table 1 continued: Parcels a	authorized to receive biosolids.	
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID

		· · · · · · · · · · · · · · · · · · ·	
			
<u> </u>			
<u>.</u>			
		· <u> </u>	
<u> </u>			

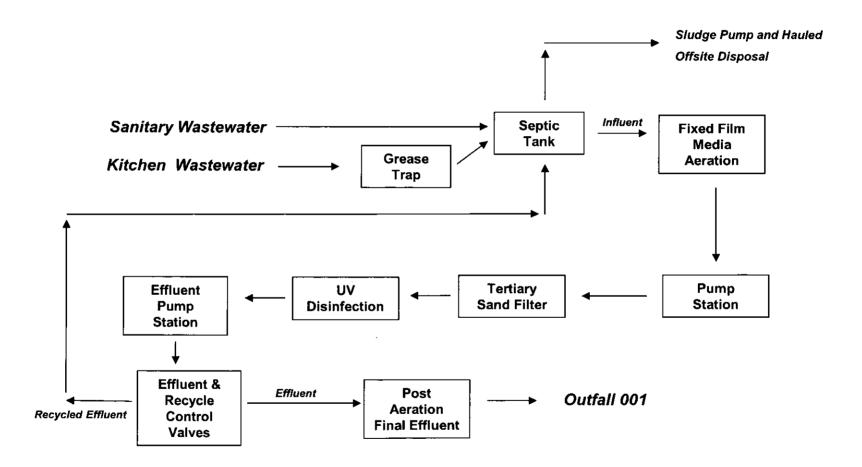
		
Landowner – Printed Name	Signature	Mailing Address

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Camp Red Arrow WWTP Process Diagram



Sludge Hauling Route From Camp Red Arrow WWTP

Start



22338 Arrowhead Trail Stevensburg, VA 22741

Route Overview



Finish



12523 Lucky Hill Rd. Remington, VA 22734

Septage Hauler: Butler and Eicher

10607 James Madison Hwy

Bealton, VA 22712 Phone: 540-347-2274

Hauling Hours: Monday- Friday

8:00 am- 5:00 pm

Remington WWTP

Ms. Cheryl St. Amant, Associate General Manager

Phone: 540-439-2092

Receiving Facility VPDES #: VA0076805 Contact Hours: 8:00-5:00 Monday -Friday



July 22, 2014

Fauquier County Service Authority Remington WWTP Attn: Ms. Cheryl St Amant Associate General Manager of Operations P.O. Box 861646 Warrenton, VA 20187

RE: Camp Red Arrow WWTP

VPDES Permit No. VA0092452

Ms. St Amant

To be in compliance with the VPDES Permit Regulation (9VAC 25-31-530 G) I am required to notify you that in treating and disposing of our sewage sludge you must comply with the VPDES Permit Regulation Part VI, Subpart B – Land Application, if your facility disposes of sewage sludge by this method.

Should you have any questions on this matter, please contact the Northern Virginia Regional Office (NVRO) of the Department of Environmental Quality (DEQ) in Woodbridge, VA.

Sincerely,

Cody Hoehna, Operations Manager Environmental Services Division

cc: DEQ, NVRO

FACILITY NAME AND PERMIT NUMBER:

Camp Red Arrown WWTP VA0092452

Form Approved 1/14/99 OMB Number 2040-0086

	p 110d 7 d 101111 1111	77.0002432		
BA	SIC APPLICA	TION INFORMATION		
PAF	RT A. BASIC APPI	ICATION INFORMATION FOR ALL	APPLICANTS:	
All t	reatment works mus	t complete questions A.1 through A.8 of	this Basic Application Information pa	cket
A.1.	Facility Information	1.		
	Facility name	Camp Red Arrow WWTP		
	Mailing Address	22338 Arrowhead Trail. Stevensburg		
	Contact person	James Burnett		
	Title	Director		
	Telephone number	(540) 219-1742		
	Facility Address (not P.O. Box)	22338 Arrowhead Trail, Stevensburg.	VA 22741	
A.2.	Applicant Informat	ion. If the applicant is different from the abo	ove, provide the following:	
	Applicant name	Environmental Systems Services		
	Mailing Address	P.O. Box 520, Culpeper, VA 22701		
	Contact person	Donald Hearl		
	Title	Vice President		
	Telephone number	(540) 825-6660		
	Is the applicant the	owner or operator (or both) of the treatn	nent works?	
	owner	operator		
		respondence regarding this permit should be	e directed to the facility or the applicant.	
4.3.	Existing Environme works (include state-	applicant ental Permits. Provide the permit number of issued permits).	of any existing environmental permits tha	t have been issued to the treatment
	NPDES VA00924	52	PSD	
	UIC		Other <u>VAN020162</u>	
	RCRA		Other	
4.4 .	Collection System I each entity and, if kn etc.).	nformation. Provide information on municiown, provide information on the type of colle	palities and areas served by the facility. ection system (combined vs. separate) a	Provide the name and population of nd its ownership (municipal, private,
	Name	Population Served	Type of Collection System	Ownership
	Camp Red Arrow		Separate	Private
				· · · · · · · · · · · · · · · · · · ·
	Total por	ulation served		

Form Approved 1/14/99 OMB Number 2040-0086

FACILITY NAME AND PERMIT NUMBER:

Camp Red Arrown WWTP VA0092452

A.5.	Indian Country.		······································		
	a. Is the treatment works located in Indian	Country?			
	Yes	No			
	b. Does the treatment works discharge to	a receiving water that is either	in Indian Country or th	at is upstream from (a	nd eventually flows
	through) Indian Country?	Ma			
	Tes	NO			
A.6.	Flow. Indicate the design flow rate of the tr average daily flow rate and maximum daily period with the 12th month of "this year" occ	flow rate for each of the last th	ree years. Each year's	data must be based	lle). Also provide the on a 12-month time
	a. Design flow rate0.005 mg	gd			
		Two Years Ago	<u>Last Year</u>	This Year	
	b. Annual average daily flow rate	not in operation	0	.001	0.001 mgd
	c. Maximum daily flow rate		0	.003	0.006 mgd
Δ7	Collection System Indicate the type(s) of	collection avatem(a) used by			
A. / .	Collection System. Indicate the type(s) of contribution (by miles) of each.	conection system(s) used by t	ne treatment plant. On	eck all that apply. Als	o estimate the percent
	✓ Separate sanitary sewer				100 %
	Combined storm and sanitary sew	ver			%
				**	
A.8.	Discharges and Other Disposal Methods	i.			
	a. Does the treatment works discharge eff	fluent to waters of the U.S.?		Yes	_ √ No
	If yes, list how many of each of the follo	wing types of discharge points	the treatment works us	ses:	
	i. Discharges of treated effluent				
	ii. Discharges of untreated or partially	treated effluent			· · · · · · · · · · · · · · · · · · ·
	iii. Combined sewer overflow points			_	
	iv. Constructed emergency overflows ((prior to the headworks)		_	
	v. Other				
	b. Does the treatment works discharge effl				
	impoundments that do not have outlets	ŭ	U.S.?	Yes	No
	If yes, provide the following for each sur Location:	rface impoundment:			
	Annual average daily volume discharge	d to surface impoundment(s)			mgd
	Is discharge continuous				'''90
					_
	c. Does the treatment works land-apply tre	eated wastewater?		Yes	No
	If yes, provide the following for each lan	d application site:			
	Location:	· · · · · · · · · · · · · · · · · · ·			
	Number of acres:				
	Annual average daily volume applied to	site:	Mgd		
	Is land application contin	nuous or interm	ittent?		
	d. Does the treatment works discharge or t treatment works?	transport treated or untreated v	wastewater to another	Yes	_ √ No

FACIL	ITY NA	ME AND	PERMIT	NUMBER:

Camp Red Arrown WWTP VA0092452

Form Approved 1/14/99 OMB Number 2040-0086

	If transport is by a party oth	er than the appli	cant, provide:					
	Transporter name:							
	Mailing Address:			· 				
	Contact person:	· · ·						
	Title:							
	Telephone number:							
	For each treatment works t	hat receives this	<u>discharge,</u> pro	vide the followi	ng:			
	Name:							
	Mailing Address:							
	Contact person:	<u> </u>						
	Contact person:	<u> </u>						
	•	<u> </u>						
	Title:			100				
	Title:	ES permit number	r of the treatm	ent works that r	eceives this disc			mg
•	Title: Telephone number: If known, provide the NPDI	ES permit number ow rate from the discharge or dispe	r of the treatm treatment wor	ent works that r ks into the rece ewater in a mai	eceives this disc iving facility.	harge.	Yes	 _ mg
	Title: Telephone number: If known, provide the NPDI Provide the average daily f	ES permit number ow rate from the discharge or dispe (e.g., undergroun	r of the treatm treatment wor ose of its wast d percolation,	ent works that r ks into the rece ewater in a mai	eceives this disc iving facility.	harge.		 _ mg

ILITY NAME AND PERMIT NUMBER:	Form Approve
	OMP Numbor

FACI

Camp Red Arrown WWTP VA0092452

ed 1/14/99 OMB Number 2040-0086

WASTEWATER DISCHARGES:

If you answered "yes" to question A.8.a, complete questions A.9 through A.12 once for each outfall (including bypass points) through which effluent is discharged. Do not include information on combined sewer overflows in this section. If you answered "no" to question A.8.a, go to Part B, "Additional Application Information for Applicants with a Design Flow Greater than or Equal to 0.1 mgd."

9.	De	scription of Outfall.	
	a.	Outfall number	001
	b.	Location	Culpeper 22701
			(City or town, if applicable) (Zip Code) Culpeper
			(County) (State) 38°26'37.6" 77°30'47.2"
			38°26'37.6" 77°30'47.2" (Latitude) (Longitude)
	_	Distance from obose	(
	C.	Distance from shore ((if applicable) N/A ft.
	d.	Depth below surface	(if applicable) N/A ft.
	e.	Average daily flow rat	te mgd
	f.	Does this outfall have periodic discharge?	e either an intermittent or a
		pomosio disonargo.	Yes ▼ No (go to A.9.g.)
		If yes, provide the foll	lowing information:
		Number of times per	year discharge occurs:
		Average duration of e	· · · · · · · · · · · · · · · · · · ·
		Average flow per disc	
		Months in which disch	
		WOTERS IN WITHOUT GISCI	
	g.	Is outfall equipped with	th a diffuser? Yes No
10.	De	scription of Receiving	g Waters.
			Maurahia Dun UT
	a.	Name of receiving wa	Mountain Run, UT
	b.	Name of watershed (i	if known) Unknown
		United States Soil Co	Inservation Service 14-digit watershed code (if known): Unknown
	Ç.	Name of State Manag	gement/River Basin (If known): Rappahannock
			- Nappal Jannock
		United States Geologi	ical Survey 8-digit hydrologic cataloging unit code (if known): Unknown
		Outside Nov. Flore	
,	d.		ceiving stream (if applicable): A cfsN/A cfs
	_		
•	ᢏ.	Total Hardriess of fect	eiving stream at critical low flow (if applicable):N/A mg/l of CaCO ₃

FACILITY NAME AND PERMIT N Camp Red Arrown WWTP VA							OMB Number 2040-0086
A.11. Description of Treatment.	- , ,,,,	-					
What levels of treatment	are provided?	Check all th	at apply.				
Primary	_	,	econdary				
Advanced	_	0	ther. Describe:				
b. Indicate the following re	noval rates (as	applicable):					
Design BOD _e removal o	Design CBOD) removal				%	
Design SS removal		J				 %	
Design P removal						<u> </u>	
Design N removal						%	
Other						^ %	
c. What type of disinfection	is used for the	effluent from	n this outfall? If di	einfaction variou	- hu soneon		_
o. What type of distilleduct	13 4364 101 (116	u√	ii tilis outlair, ii ui	simection varies	by season,	please describ	e.
If disinfection is by chlor	nation is dock		ad for this audfall?	·			
ii disiiilectioii is by cilioi			eu ioi inis ouliali?	-		′es _	V No
- D					_ ✓ Y	′es	No
d. Does the treatment plan A.12. Effluent Testing Informatic parameters. Provide the in discharged. Do not includ collected through analysis of 40 CFR Part 136 and oth At a minimum, effluent tes Outfall number: 001	n. All Applica dicated effluer e information conducted us er appropriate	ants that dis nt testing re on combine sing 40 CFR e QA/QC req	quired by the pe of sewer overflow Part 136 method puirements for st	rmitting author vs in this sections is. In addition, andard method	rity <u>for each</u> on. All infori this data m is for analyt	outfall through mation reported ust comply with es not address	th which effluent is ed must be based on da ith QA/QC requirements sed by 40 CFR Part 136
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FACILITY NAME AND PERMIT NUMBER:

Camp Red Arrown WWTP VA0092452

N/A

Form Approved 1/14/99 OMB Number 2040-0086

BASIC APPLICATION INFORMATION PART B. ADDITIONAL APPLICATION INFORMATION FOR APPLICANTS WITH A DESIGN FLOW GREATER THAN OR EQUAL TO 0.1 MGD (100,000 gallons per day). All applicants with a design flow rate ≥ 0.1 mgd must answer questions B.1 through B.6. All others go to Part C (Certification). B.1. Inflow and Infiltration. Estimate the average number of gallons per day that flow into the treatment works from inflow and/or infiltration. Briefly explain any steps underway or planned to minimize inflow and infiltration. B.2. Topographic Map. Attach to this application a topographic map of the area extending at least one mile beyond facility property boundaries. This map must show the outline of the facility and the following information. (You may submit more than one map if one map does not show the entire area.) a. The area surrounding the treatment plant, including all unit processes. b. The major pipes or other structures through which wastewater enters the treatment works and the pipes or other structures through which treated wastewater is discharged from the treatment plant. Include outfalls from bypass piping, if applicable. c. Each well where wastewater from the treatment plant is injected underground. d. Wells, springs, other surface water bodies, and drinking water wells that are: 1) within 1/4 mile of the property boundaries of the treatment works, and 2) listed in public record or otherwise known to the applicant. e. Any areas where the sewage sludge produced by the treatment works is stored, treated, or disposed. If the treatment works receives waste that is classified as hazardous under the Resource Conservation and Recovery Act (RCRA) by truck, rail, or special pipe, show on the map where that hazardous waste enters the treatment works and where it is treated, stored, and/or disposed. B.3. Process Flow Diagram or Schematic. Provide a diagram showing the processes of the treatment plant, including all bypass piping and all backup power sources or redundancy in the system. Also provide a water balance showing all treatment units, including disinfection (e.g. chlorination and dechlorination). The water balance must show daily average flow rates at influent and discharge points and approximate daily flow rates between treatment units. Include a brief narrative description of the diagram. B.4. Operation/Maintenance Performed by Contractor(s). Are any operational or maintenance aspects (related to wastewater treatment and effluent quality) of the treatment works the responsibility of a contractor? ____Yes ____No If yes, list the name, address, telephone number, and status of each contractor and describe the contractor's responsibilities (attach additional pages if necessary).

Scheduled Improvements and Schedules of Implementation. Provide information on any uncompleted implementation schedule or uncompleted plans for improvements that will affect the wastewater treatment, effluent quality, or design capacity of the treatment works. If the treatment works has several different implementation schedules or is planning several improvements, submit separate responses to question B.5 for each. (If none, go to question B.6.)

а.	List the outfall number (assigned in question A.9) for each outfall that is covered by this implementation schedule.

b.	Indicate whether the planned improvements or implementation schedule are required by local, State,	, or Federal ager	ncies.

Name:

Mailing Address:

Telephone Number:

Responsibilities of Contractor:

amp K	Red Arrown WWTP	VA0092452			N/A	1	OMB Nur	
С	If the answer to B.	5.b is "Yes," brief	fly describe, incl	uding new max	imum daily inflov	v rate (if applicab	le).	
d.	Provide dates impo applicable. For imp applicable. Indicat	nentation steps listed planned or actual con	on steps listed below, as d or actual completion dates,					
			Schedule		Actual Completic	on		
	Implementation Sta	age	<u>MM / DD /</u>	YYYY	MM / DD / YYYY			
	 Begin construction 	on		<u> </u>	//			
	 End construction 				//			
	 Begin discharge 		//	<u> </u>	//			
	 Attain operationa 	ıl level			_/_/			
e.	Have appropriate p	permits/clearance	es concerning of	ther Federal/Sta	te requirements	been obtained?	Yes	_No
	Describe briefly: _							
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App tes own me star po Ou P P P P P P P P P P P P P P P P P P	ating required by the erflows in this section this section. In addition, the ethods. In addition, the ethods. In addition, the ethods. In addition, the ethods. In addition, the ethods for a collection of the ethods. In addition, the ethods and multiful Number: COLLUTANT	permitting authorn. All information his data must control analytes not address to be no more the MAXIMU DISCH	rity for each outh reported must mply with QA/Q essed by 40 CF an four and one M DAILY IARGE Units	fall through white be based on date the based on date to requirements R Part 136. At e-half years old. AVERATION.	ch effluent is disc ta collected thro of 40 CFR Part a minimum, efflu	charged. Do not ugh analysis con 136 and other appent testing data recommendation of the control	include information or ducted using 40 CFR propriate QA/QC req nust be based on at I	n combined se Part 136 uirements for

FACILITY NAME AND PERMIT NUMBER:		Form Approved 1/14/99
Camp Red Arrown WWTP VA0092452	N/A	OMB Number 2040-0086
BASIC APPLICATION INFORMATION		
PART C. CERTIFICATION		
All applicants must complete the Certification Section. Refer to instruct applicants must complete all applicable sections of Form 2A, as explain have completed and are submitting. By signing this certification statem all sections that apply to the facility for which this application is submitted.	led in the Application Overview. Indi- ent, applicants confirm that they have	cate below which parts of Form 2A you
Indicate which parts of Form 2A you have completed and are subn	nitting:	
Basic Application Information packet Supplemental A	Application Information packet:	
Part D	(Expanded Effluent Testing Data)	
Part E	(Toxicity Testing: Biomonitoring Date	a)
Part F	(Industrial User Discharges and RCF	RA/CERCLA Wastes)
Part G	(Combined Sewer Systems)	
ALL APPLICANTS MUST COMPLETE THE FOLLOWING CERTIFICA	ATION.	
I certify under penalty of law that this document and all attachments we designed to assure that qualified personnel properly gather and evaluat who manage the system or those persons directly responsible for gather belief, true, accurate, and complete. I am aware that there are significated imprisonment for knowing violations.	te the information submitted. Based earing the information.	on my inquiry of the person or persons is, to the best of my knowledge and
Name and official title		
Signature L. B		
Telephone number (540) 219-1742		
Date signed 7-22-14		
Upon request of the permitting authority, you must submit any other info works or identify appropriate permitting requirements.	ormation necessary to assess wastew	vater treatment practices at the treatment

SEND COMPLETED FORMS TO:

FACILITY NAME	AND I	PERMIT	NUMBER:
---------------	-------	--------	---------

Camp Red Arrown WWTP VA0092452

N/A

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SUPPLEMENTAL APPLICATION INFORMATION

PART D. EXPANDED EFFLUENT TESTING DATA

Refer to the directions on the cover page to determine whether this section applies to the treatment works.

Effluent Testing: 1.0 mgd and Pretreatment Treatment Works. If the treatment works has a design flow greater than or equal to 1.0 mgd or it has (or is required to have) a pretreatment program, or is otherwise required by the permitting authority to provide the data, then provide effluent testing data for the following pollutants. Provide the indicated effluent testing information and any other information required by the permitting authority for each outfall through which effluent is discharged. Do not include information on combined sewer overflows in this section. All information reported must be based on data collected through analyses conducted using 40 CFR Part 136 methods. In addition, these data must comply with QA/QC requirements of 40 CFR Part 136 and other appropriate QA/QC requirements for standard methods for analytes not addressed by 40 CFR Part 136. Indicate in the blank rows provided below any data you may have on pollutants not specifically listed in this form. At a minimum, effluent testing data must be based on at least three pollutant scans and must be no more than four and one-half years old.

						fall discharging effluent to waters of the Unite				ed States.)	
POLLUTANT	MAXIMUM DAILY DISCHARGE				AVERAGE DAILY DISCHARGE						
	Conc.	Units	Mass	Units	Conc.	Units	Mass	Units	Number of Samples	ANALYTICAL METHOD	ML/ MDL
METALS (TOTAL RECOVERABLE),	CYANIDE,	PHENO	LS, AND	HARDNE	SS.						
ANTIMONY											
ARSENIC											
BERYLLIUM											
CADMIUM											
CHROMIUM											
COPPER											
LEAD											
MERCURY				·					<u>-</u>		<u> </u>
NICKEL											
SELENIUM											
SILVER										,,,	
THALLIUM											
ZINC	_										
CYANIDE									_		-
TOTAL PHENOLIC COMPOUNDS											
HARDNESS (AS CaCO ₃)											
Use this space (or a separate sheet) to	provide in	formation	on other	metals re	equested b	y the per	mit writer			·	
											· -



FACILITY NAME AND PERMIT NUMBER: Camp Red Arrown WWTP VA0092452

N/A

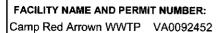
Outfall number:					discharg	ging efflu	ent to w	aters of	the United S	States.)	
POLLUTANT	N	MAXIMU DISCH	JM DAIL' HARGE	Y	A۱	/ERAGE	DAILY	DISCHA	ARGE		
	Conc.		Mass	Units	Conc.	Units	Mass	Units	Number of Samples	ANALYTICAL METHOD	ML/ MDL
VOLATILE ORGANIC COMPOUNDS.			,								
ACROLEIN											
ACRYLONITRILE										,,,,	
BENZENE					-					-	
BROMOFORM							-				
CARBON TETRACHLORIDE											
CLOROBENZENE											
CHLORODIBROMO-METHANE											
CHLOROETHANE											
2-CHLORO-ETHYLVINYL ETHER											<u>-</u> ,
CHLOROFORM											
DICHLOROBROMO-METHANE								:			
1,1-DICHLOROETHANE											
1,2-DICHLOROETHANE											
TRANS-1,2-DICHLORO-ETHYLENE											·
1,1-DICHLOROETHYLENE				·			-				-
1,2-DICHLOROPROPANE											-
1,3-DICHLORO-PROPYLENE										_	
ETHYLBËNZENE											
METHYL BROMIDE											
METHYL CHLORIDE											
METHYLENE CHLORIDE											
I,1,2,2-TETRACHLORO-ETHANE		_									
ETRACHLORO-ETHYLENE											
TOLUENE					_						



FACILITY NAME AND PERMIT NUMBER:
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N/A

Outfall number:	(Complete once for each outfall discharging effluent to waters of the United States.)										
POLLUTANT	MAXIMUM DAILY DISCHARGE				A۱	/ERAGE	DAILY	DISCH			
	Conc.	Units	Mass	Units	Conc.	Units	Mass	Units	Number of Samples	ANALYTICAL METHOD	ML/ MDL
1,1,1-TRICHLOROETHANE									•		
1,1,2-TRICHLOROETHANE											
TRICHLORETHYLENE											
VINYL CHLORIDE											
Use this space (or a separate sheet) to	provide in	formation	on other	volatile o	rganic cor	npounds	requested	by the	permit writer.		
-											
ACID-EXTRACTABLE COMPOUNDS	<u></u>										
P-CHLORO-M-CRESOL											
2-CHLOROPHENOL											
2,4-DICHLOROPHENOL											
2,4-DIMETHYLPHENOL											
4,6-DINITRO-O-CRESOL					·						
2,4-DINITROPHENOL											
2-NITROPHENOL					_						
4-NITROPHENOL						ï					
PENTACHLOROPHENOL											
PHENOL				"							-
2,4,6-TRICHLOROPHENOL		21.00									
Use this space (or a separate sheet) to	provide in	formation	on other	acid-extra	ctable co	mpounds	requeste	d by the	permit writer.		<u> </u>
BASE-NEUTRAL COMPOUNDS.											
ACENAPHTHENE							- "				
ACENAPHTHYLENE									**		
ANTHRACENE					·						
BENZIDINE									<u>.</u>		
BENZO(A)ANTHRACENE											
BENZO(A)PYRENE					-	_					



N/A

Outfall number:POLLUTANT		Complete once for each outfall MAXIMUM DAILY				VERAGE				otates.)	
	Conc.	DISCI Units	IARGE Mass	Units	Conc.	Units	Mass	Units	Number of Samples	ANALYTICAL METHOD	ML/ MDL
3,4 BENZO-FLUORANTHENE											
BENZO(GHI)PERYLENE								-			
BENZO(K)FLUORANTHENE											
BIS (2-CHLOROETHOXY) METHANE											
BIS (2-CHLOROETHYL)-ETHER											
BIS (2-CHLÓROISO-PROPYL) ETHER			_								
BIS (2-ETHYLHEXYL) PHTHALATE											
4-BROMOPHENYL PHENYL ETHER											
BUTYL BENZYL PHTHALATE										-	
2-CHLORONAPHTHALENE							-				
4-CHLORPHENYL PHENYL ETHER							.,,				
CHRYSENE							<u> </u>				
DI-N-BUTYL PHTHALATE											· , .
DI-N-OCTYL PHTHALATE											_
DIBENZO(A,H) ANTHRACENE										,	*10*
1,2-DICHLOROBENZENE							·			-	
1,3-DICHLOROBENZENÉ											
1,4-DICHLOROBENZENE											<u></u>
3,3-DICHLOROBENZIDINE											
DIETHYL PHTHALATE									·		
DIMETHYL PHTHALATE											
2,4-DINITROTOLUENE											· .
2,6-DINITROTOLUENE										·	
1,2-DIPHENYLHYDRAZINE				1		1					



Camp Red Arrown WWTP VA0092452

N/A

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Outfall number:	(Complete once for each outfall discharging effluent to waters of the United States.)										
POLLUTANT	N		JM DAIL HARGE	Y	A\	/ERAGE	DAILY	DISCH	ARGE		
	Conc.	Units		Units	Сопс.	Units	Mass	Units	Number of Samples	ANALYTICAL METHOD	ML/ MDL
FLUORANTHENE											
FLUORENE											
HEXACHLOROBENZENE											
HEXACHLOROBUTADIENE			",								
HEXACHLOROCYCLO- PENTADIENE											
HEXACHLOROETHANE											
INDENO(1,2,3-CD)PYRENE											
ISOPHORONE											
NAPHTHALENE											
NITROBENZENE											
N-NITROSODI-N-PROPYLAMINE											
N-NITROSODI- METHYLAMINE									·		
N-NITROSODI-PHENYLAMINE		-								-	
PHENANTHRENE											-
PYRENE											5
1,2,4-TRICHLOROBENZENE											
Use this space (or a separate sheet) to	provide in	formatio	on other	base-neu	itral comp	ounds re	quested b	y the per	mit writer.		
Use this space (or a separate sheet) to	provide in	formation	on other	pollutant	s (e.g., pe	sticides) i	equested	by the p	ermit writer.		

END OF PART D. REFER TO THE APPLICATION OVERVIEW TO DETERMINE WHICH OTHER PARTS OF FORM **2A YOU MUST COMPLETE**

Camp Red Arrown WWTP VA0092452

N/A

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SUPPLEMENTAL APPLICATION INFORMATION

PART E. TOXICITY TESTING DATA

POTWs meeting one or more of the following criteria must provide the results of whole effluent toxicity tests for acute or chronic toxicity for each of the facility's discharge points: 1) POTWs with a design flow rate greater than or equal to 1.0 mgd; 2) POTWs with a pretreatment program (or those that are required to have one under 40 CFR Part 403); or 3) POTWs required by the permitting authority to submit data for these parameters.

- At a minimum, these results must include quarterly testing for a 12-month period within the past 1 year using multiple species (minimum of two species), or the results from four tests performed at least annually in the four and one-half years prior to the application, provided the results show no appreciable toxicity, and testing for acute and/or chronic toxicity, depending on the range of receiving water dilution. Do not include information on combined sewer overflows in this section. All information reported must be based on data collected through analysis conducted using 40 CFR Part 136 methods. In addition, this data must comply with QA/QC requirements of 40 CFR Part 136 and other appropriate QA/QC requirements for standard methods for analytes not addressed by 40 CFR Part 136.
- In addition, submit the results of any other whole effluent toxicity tests from the past four and one-half years. If a whole effluent toxicity
 test conducted during the past four and one-half years revealed toxicity, provide any information on the cause of the toxicity or any results
 of a toxicity reduction evaluation, if one was conducted.
- If you have already submitted any of the information requested in Part E, you need not submit it again. Rather, provide the information requested in question E.4 for previously submitted information. If EPA methods were not used, report the reasons for using alternate methods. If test summaries are available that contain all of the information requested below, they may be submitted in place of Part E.
 If no biomonitoring data is required, do not complete Part E. Refer to the Application Overview for directions on which other sections of the form to

complete.	•		
E.1. Required Tests.			
Indicate the number of whole effluen	t toxicity tests conducted in the past	four and one-half years.	
chronicacute			
E.2. Individual Test Data. Complete the column per test (where each species	e following chart <u>for each whole efflue</u> s constitutes a test). Copy this page	ent toxicity test conducted in the last for if more than three tests are being repo	our and one-half years. Allow one orted.
	Test number:	- · ·	Test number:
a. Test information.			
Test species & test method number			
Age at initiation of test			
Outfall number			
Dates sample collected			
Date test started			
Duration			
b. Give toxicity test methods follows	ed.		
Manual title			
Edition number and year of publication			
Page number(s)			
c. Give the sample collection metho	d(s) used. For multiple grab sample	s, indicate the number of grab sample	s used.
24-Hour composite			
Grab			
d. Indicate where the sample was ta	aken in relation to disinfection. (Chec	k all that apply for each)	
Before disinfection			
After disinfection			
After dechlorination			

FACILITY NAME AND PERMIT NUMBER: Camp Red Arrown WWTP VA0092452

N/A

	Test number:	Test number:	Test number:
e. Describe the point in the treatmen	t process at which the sample was	collected.	
Sample was collected:			
f. For each test, include whether the	test was intended to assess chronic	c toxicity, acute toxicity, or both.	
Chronic toxicity			
Acute toxicity			
g. Provide the type of test performed			
Static			
Static-renewal			
Flow-through			
h. Source of dilution water. If laborat	tory water, specify type; if receiving	water, specify source.	
Laboratory water			
Receiving water			
i. Type of dilution water. It salt water	, specify "natural" or type of artificia	al sea salts or brine used.	
Fresh water			
Salt water			
j. Give the percentage effluent used	for all concentrations in the test ser	ies.	
k. Parameters measured during the t	est. (State whether parameter mee	ts test method specifications)	
рН			,
Salinity			
Temperature			
Ammonia			
Dissolved oxygen			
I. Test Results.			
Acute:			
Percent survival in 100% effluent	%	%	%
LC ₅₀			
95% C.I.	%	%	%
Control percent survival	%	%	%
Other (describe)		,	

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Chronic:			
NOEC	%	%	%
IC ₂₅	%	%	%
Control percent survival	%	%	%
Other (describe)			
m. Quality Control/Quality Assurance.		···	
Is reference toxicant data available?			
Was reference toxicant test within acceptable bounds?			
What date was reference toxicant test run (MM/DD/YYYY)?			
Other (describe)			
E.3. Toxicity Reduction Evaluation. Is the treatmen YesNo			
E.4. Summary of Submitted Biomonitoring Test Inf cause of toxicity, within the past four and one-ha summary of the results.	ormation. If you have subrif years, provide the dates th	mitted biomonitoring test information in the information was submitted to the	n, or information regarding the permitting authority and a
Date submitted: (MM/DD	/YYYY)		
Summary of results: (see instructions)			
REFER TO THE APPLICATION OV	END OF PART		R PARTS OF FORM

2A YOU MUST COMPLETE.

FACILITY NAME AND PERMIT NUMBER:

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N/A

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SUPPLEMENTAL APPLICATION INFORMATION

PART F. INDUSTRIAL USER DISCHARGES AND RCRA/CERCLA WASTES

All treatment works receiving discharges from significant industrial users or which receive RCRA, CERCLA, or o complete Part F.	ther remedial wastes must
GENERAL INFORMATION:	
F.1. Pretreatment Program. Does the treatment works have, or is it subject to, an approved pretreatment program?	
YesNo	
F.2. Number of Significant Industrial Users (SIUs) and Categorical Industrial Users (CIUs). Provide the number of industrial users that discharge to the treatment works.	f each of the following types
a. Number of non-categorical SIUs.	
b. Number of CIUs.	
SIGNIFICANT INDUSTRIAL USER INFORMATION:	
Supply the following information for each SIU. If more than one SIU discharges to the treatment works, copy que and provide the information requested for each SIU.	estions F.3 through F.8
F.3. Significant Industrial User Information. Provide the name and address of each SIU discharging to the treatment pages as necessary.	works. Submit additional
Name:	
Mailing Address:	
F.4. Industrial Processes. Describe all of the industrial processes that affect or contribute to the SIU's discharge.	
F.5. Principal Product(s) and Raw Material(s). Describe all of the principal processes and raw materials that affect of discharge.	r contribute to the SIU's
Principal product(s):	
Raw material(s):	
F.6. Flow Rate.	
Process wastewater flow rate. Indicate the average daily volume of process wastewater discharged into the co per day (gpd) and whether the discharge is continuous or intermittent. gpd (continuous orintermittent)	llection system in gallons
Non-process wastewater flow rate. Indicate the average daily volume of non-process wastewater flow discharg system in gallons per day (gpd) and whether the discharge is continuous or intermittent. gpd (continuous orintermittent)	ged into the collection
F.7. Pretreatment Standards. Indicate whether the SIU is subject to the following:	
a. Local limits Yes No	
b. Categorical pretreatment standardsYesNo	
If subject to categorical pretreatment standards, which category and subcategory?	

FACILITY NAME AND PERMIT NUMBER:	N/A	Form Approved 1/14/99 OMB Number 2040-0086				
Camp Red Arrown WWTP VA0092452		ONE Number 2040-0000				
F.8. Problems at the Treatment Works Attributed to Waste Discharged by tupsets, interference) at the treatment works in the past three years?	the SIU. Has the SIU o	caused or contributed to any problems (e.g.,				
YesNo If yes, describe each episode.						
RCRA HAZARDOUS WASTE RECEIVED BY TRUCK, RAIL, OR DED	ICATED PIPELINE:					
F.9. RCRA Waste. Does the treatment works receive or has it in the past three pipe?YesNo (go to F.12.)	years received RCRA	hazardous waste by truck, rail, or dedicated				
F.10. Waste Transport. Method by which RCRA waste is received (check all th	at apply):					
TruckRailDedicated Pipe						
F.11. Waste Description. Give EPA hazardous waste number and amount (vol	ume or mass, specify ι	units).				
EPA Hazardous Waste Number Amount	<u>u</u>	<u>nits</u>				
						
CEDCI A (CHREDELIND) WASTEWATER DODA DEMEDIATION/COR	DEOTINE					
CERCLA (SUPERFUND) WASTEWATER, RCRA REMEDIATION/COF ACTION WASTEWATER, AND OTHER REMEDIAL ACTIVITY WASTE	EWATER:					
F.12. Remediation Waste. Does the treatment works currently (or has it been n		ve waste from remedial activities?				
Yes (complete F.13 through F.15.) No	iodined triat it willy recei	ve waste from Temedial activities:				
Provide a list of sites and the requested information (F.13 - F.15.) for each	current and luture site	•				
F.13. Waste Origin. Describe the site and type of facility at which the CERCLA/	RCRA/or other remedi	al waste originates (or is expected to originate				
in the next five years).		3 . (,				
F.14. Pollutants. List the hazardous constituents that are received (or are experience). known. (Attach additional sheets if necessary).	cted to be received). In	nclude data on volume and concentration, if				
Mitoria. (Madeir additional Sheets if Hecessary).						
	· · · · · · · · · · · · · · · · · · ·					
F.15. Waste Treatment.						
a. Is this waste treated (or will it be treated) prior to entering the treatment	worke?					
	. WOIKS?					
YesNo	.					
If yes, describe the treatment (provide information about the removal ef	ficiency):					
b. Is the discharge (or will the discharge be) continuous or intermittent?						
ContinuousIntermittent If intermittent, c	lescribe discharge sch	edule.				
END OF PART F. REFER TO THE APPLICATION OVERVIEW TO DETERMINE WHICH OTHER PARTS OF FORM						
2A YOU MUST CO	OMPLETE					

FACILITY NA	ME AND	PERMIT	NUMBER:
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Camp Red Arrown WWTP VA0092452

N/A

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SUPPLEMENTAL APPLICATION INFORMATION

PART G. COMBINED SEWER SYSTEMS

If the treatment works has a combined sewer system, complete Part G.

- G.1. System Map. Provide a map indicating the following: (may be included with Basic Application Information)
 - a. All CSO discharge points.
 - b. Sensitive use areas potentially affected by CSOs (e.g., beaches, drinking water supplies, shellfish beds, sensitive aquatic ecosystems, and outstanding natural resource waters).
 - c. Waters that support threatened and endangered species potentially affected by CSOs.
- **G.2.** System Diagram. Provide a diagram, either in the map provided in G.1. or on a separate drawing, of the combined sewer collection system that includes the following information:
 - a. Locations of major sewer trunk lines, both combined and separate sanitary.
 - b. Locations of points where separate sanitary sewers feed into the combined sewer system.
 - c. Locations of in-line and off-line storage structures.
 - d. Locations of flow-regulating devices.
 - e. Locations of pump stations.

<u> </u>	UIFALLS:				
Comple	te questions G.3 throug	ph G.6 once <u>for each CSO discharge point.</u>		:	
G.3. De	scription of Outfall.	-			_
a.	Outfall number				
b.	Location		·		
		(City or town, if applicable)	(Zip Code)		
		(County)	(State)		
		(County)	(State)		
		(Latitude)	(Longitude)		
C.	Distance from shore (if	applicable)	ft.		
d.	Depth below surface (if	applicable)	ft.		
e.	Which of the following	were monitored during the last year for this CS	50?		
	Rainfall	CSO pollutant concentrations	CSO frequency		
	CSO flow volume	Receiving water quality			
f.	How many storm event	s were monitored during the last year?			
G.4. CS	O Events.				
a.	Give the number of CS	O events in the last year.			
	events (_ actual or approx.)			
b.	Give the average durati	on per CSO event.			
	hours (_ actual or approx.)			

FACILITY NAME AND PERMIT NUMBER: Camp Red Arrown WWTP VA0092452	N/A	Form Approved 1/14/99 OMB Number 2040-0086
c. Give the average volume per CSO event.		
million gallons (actual or approx.)		
d. Give the minimum rainfall that caused a CSO event in the last yea	r.	
inches of rainfall		
G.5. Description of Receiving Waters.		
a. Name of receiving water:		·
b. Name of watershed/river/stream system:		
United States Soil Conservation Service 14-digit watershed code (if known):	
c. Name of State Management/River Basin:		
United States Geological Survey 8-digit hydrologic cataloging unit	code (if known):	
G.6. CSO Operations.		
Describe any known water quality impacts on the receiving water caus permanent or intermittent shell fish bed closings, fish kills, fish advisori quality standard).	es, other recreational loss, or	violation of any applicable State water
END OF P	PART G.	
REFER TO THE APPLICATION OVERVIEW TO D		OTHER PARTS OF FORM